

## PU TOPCOAT CLEAR

Product No. **TC42XX**  
[Commercial Grade]

Commercial grade two components Polyurethane Topcoat, formulated with solid content combined with fast drying, good transparency, flow, and leveling characteristics, provides the excellent equalization of the matt effect. Combined with the high mechanical resistant and soft slippery touch that enhances the overall beauty and feasibility of the finishing product.

### USES

For interior use on all furnishings as wardrobes, closet, paneling, doors, windows, frame, and casting, etc. The overall characteristics such as extensibility, Matt effect equalization, transparency and resistance to polishing have been developed to the maximum which in turn enables the product to have almost unlimited possibilities in the furniture industry.

### CHARACTERISTICS

#### Properties

- Commercial Grade
- Good Leveling
- Fast Drying
- Good Transparency
- Good Flow

#### Available in the following Shades

- TC4230 DM 6%           [±1]
- TC4231 MT 12%       [±3]
- TC4232 SM 30%       [±5]
- TC4233 SG 50%       [±5]
- TC4299 FG 70%       [±5]

<b>Appearance</b>	: Matt
<b>Color</b>	: Transparent
<b>Specific gravity</b>	: 0.97 Kg/lit [±0.025]
<b>Weight Solids</b>	: Approx. 42% [± 2]
<b>Weight Solids blended</b>	: Approx. 35% [± 2]
<b>Flash point</b>	: 21°C
<b>Drying Time</b>	
Dust Free	: 15 min.
To Touch	: 30 min. at 25°C
Interval Coats	: 3 hrs. at 25°C
Deep Drying	: 24 hrs. at 25°C

### SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. Surface must be dry, clean and free from contaminations. Natural oil or gum must be removed by solvent cleaning.

To obtain optimum surface finish, sand the wood properly in the same direction of the wood grain, utilize sanding paper no. [120] for surface leveling. Apply one coat PU Sanding Sealer, then after drying utilize paper no. [220] to create smoothness to the substrate, then utilize paper

no. [400] to achieve perfection of substrate, as is adequate sanding and removal of dust prior to application of first coat. Control the compatibility of Stains eventually used.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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### PRODUCT PREPARATION

#### CATALYST

by weight 50%	C016	by volume 50%
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**Pot Life** 3 hrs. @ 25°C

Stir product well with a flat paddle. Add the correct quantity of hardener and stir till homogeneous. Thin to required viscosity. For details of spray equipment contact Ritver Technical Services Department.

#### Dilution

Utilize [TP292] PU Thinner depending on the application system used. In general 20 -30% thinner is added to achieve an application viscosity. This is suitable for spraying.

For Curtain coater 20% Thinner is added to achieve an application viscosity. In case of high humidity climate add 5-10% [TP222] PU retardant thinner.

### APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is 130 gr / sq. m. The number of coats depends on the surface preparation the porosity of the substrate, and the finish required.

#### Following Treatments

By spray gun: utilize nozzle 1.8 – 2 mm at 3-4 ATM/bar. For details of spray equipment contact Ritver Technical Services Department.

By Curtain Coater: it is recommended to control the viscosity during application by adding PU Thinner to balance the evaporation of solvents.

### CLEANING

#### Cleaning

Clean all tools and equipment immediately after use with [TC010] Tool Cleaner.

### PACKING & STORAGE

Available in 5Ltr. 25Ltr.

Store in a cool and well ventilated place. Keep away from direct sunlight. Maximum 18 months in unopened container, stored in a cool and dry condition at 25°C.

### SAFETY & FLAMMABLE

This material is flammable and must not be exposed to naked flames. Use only in well ventilated areas. In case of insufficient ventilation during application, wear suitable respiratory equipment. Do not breathe vapor / spray. In case of contact with eyes, rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleanser.

Keep away from sources of ignition. No Smoking. Keep out of reach of children.